

REPORT OF CHANNEL CONDITIONS 400 FEET WIDE OR GREATER <i>(ER 1130-2-306)</i>						PAGE 1 OF 2 DATE: April 19, 2007		
TO: The Record				FROM: U.S. Army Corps of Engineers 26 Federal Plaza, ATTN: CENAN-OP-ST New York, NY 10278-0090				
RIVER/HARBOR NAME AND STATE: Newark Bay, Hackensack and Passaic Rivers – Port Newark and Port Newark Pierhead Channels, New Jersey					MINIMUM DEPTHS IN CHANNEL ENTERING FROM SEAWARD			
NAME OF CHANNEL	DATE OF SURVEY	AUTHORIZED PROJECT			LEFT OUTSIDE QUARTER (feet)	LEFT INSIDE QUARTER (feet)	RIGHT INSIDE QUARTER (feet)	RIGHT OUTSIDE QUARTER (feet)
		WIDTH (feet)	LENGTH (nmiles)	DEPTH (feet)				
Reach D: Port Newark Branch Reach (0.0 – 0.4 mil) From GREEN CAN #19A to a point approximately 700 feet landward of GREEN CAN #3.	Map 887 & 888 Pg 1 of 3 & Pg 1 of 1; 12 thru 15, 19 & 20 Mar 2007; 27 & 29 Mar 2007	1,775 - 400	0.37	40		32.7*	38.4	34.4**
Partial Reach E: Port Newark Inshore Reach (0.4 – 0.9 mil) From a point approximately 700 feet landward of GREEN CAN #3 to a point approximately 75 feet (landward) past the channel's bend.	Map 887 Pg 1 & 2 of 3; 12 thru 15, 19 & 20 Mar 2007	400	0.39	40		37.0	39.0	39.0
REMARKS: <ul style="list-style-type: none"> All depths are in reference to Mean Low Water (MLW). Channel Length is in nautical miles. <p>Note: Survey data does not exist for the Left Outside Quarter of the channel in either Reach D or Partial Reach E.</p> <p>* Note: Survey data does not exist for two separate areas of the Left Inside Quarter of Reach D. At the junction with the Main Channel, there is no data in the widening portion of the quarter forming a triangular area having approximate dimensions of 330 feet by 400 feet. There is also no data at the junction with the Pierhead Channel in the southern (seaward) most portion of the quarter forming a triangular area having approximate dimensions of 100 feet by 280 feet.</p> <p>** Note: Survey data does not exist for an area of the Right Outside Quarter of Reach D. At the junction with the Main Channel, there is no data in the widening portion of the quarter forming a triangular area having approximate dimensions of 150 feet by 250 feet.</p>								
NEWARK BAY <ul style="list-style-type: none"> Reach D: Shoaling exists in the majority of the Left Inside Quarter of the channel, for approximately the first 1,800 feet of this reach. Minimal sporadic shoaling exists in the Right Inside Quarter of the channel, for approximately the first 1,150 feet of this reach. Shoaling exists in the majority of the Right Outside Quarter of the channel, for approximately the first 500 feet of this reach. Also, sporadic shoaling exists in the Right Outside Quarter of the channel for much of this reach. Partial Reach E: Shoaling exists along much of the southern (seaward) most border of the Left Inside Quarter of the channel for approximately the first 1,565 feet of this partial reach. In some areas, this shoaling extends out to approximately half the width of the Left Inside Quarter of the channel. Minimal sporadic shoaling exists in the Right Inside Quarter of the channel, beginning approximately 540 feet into this partial reach and ending approximately 1,140 feet into this partial reach. Minimal sporadic shoaling exists in the Right Outside Quarter of the channel in the majority of this partial reach. 								

REPORT OF CHANNEL CONDITIONS 100 TO 400 FEET WIDE (ER 1130-2-306)					PAGE 2 OF 2		
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NAME OF CHANNEL	DATE OF SURVEY	AUTHORIZED PROJECT			LEFT OUTSIDE QUARTER (feet)	MIDDLE HALF (feet)	RIGHT OUTSIDE QUARTER (feet)
		WIDTH (feet)	LENGTH (nmiles)	DEPTH (feet)			
Partial Reach F: Pt. Newark Pierhead Reach (0.0 – 0.5 mil) From RED NUN #4 to a point approximately 850 feet north of RED NUN #8.	Map 887 Pg 1 & 3 of 3; 12 thru 15, 19 & 20 Mar 2007	700- 300	0.42	40	37.1	33.5	31.5
REMARKS: <ul style="list-style-type: none">All depths are in reference to Mean Low Water (MLW).Channel length is in nautical miles.							
NEWARK BAY <ul style="list-style-type: none">Partial Reach F: Sporadic shoaling exists along the toe of the channel, as well as throughout the entire width, of the Left Outside Quarter of the channel in this entire partial reach. A few areas of very minor shoaling exists in the Middle Half of this channel for approximately the first 2,300 feet of this partial reach. Past this point, the entire width of the Middle Half of the channel is shoaled in. Sporadic shoaling exists along the toe of the channel, in the Right Outside Quarter, for the first 2,050 feet of this partial reach. Past this point, the shoaling encompasses approximately half the width, and up to the entire width, of the Right Outside Quarter of the channel.							